

Aero Design Ltd.**Work Order Control Sheet**Work Order#: **2016-32** Date Opened: 26 Feb 16 Title: **Fabrication**Aircraft OEM: **Multiple** Aircraft Model: **Multiple** Product Type: **Lid Prop** Product Model: **N/A** Quantity: **47****Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

JC
N/A
JC
JC
N/A
JC
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

Drawing List

Drawing #	Rev #	Description	Initial or N/A
36280	3	Lid Brace Assembly	JC

Traveller

Initial or N/A

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

44
N/A
N/A
N/A

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

N/A
JC
JC
N/A
N/A

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

JC
N/A
N/A

Work performed by:

Print: D. Bartfai

ICC / Dual Inspection performed by:

Print: J. Clarke

Work Order closed by:

Print: J. Clarke

Approved Manufacturing Facility 73-04

Sign:

Sign:

Sign:

Form 20.D00

SCA: AD07

SCA: AD02

SCA: AD02

Date: 29-Feb-16

Date: 29-Feb-16

Date: 05-May-17

Rev. Original 23 Sep 2014



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

9-2081

Aircraft:

Multiple

Model: Multiple

Description:

Lid Prop

Supplier:

Long Motor Corporation

Color:

N/A

WO#:

N/A

PO# 15026



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1

PN: 9-2081

Aircraft: Multiple

Model: Multiple

Description: Lid Prop

Supplier: Long Motor Corporation

Color: N/A

WO#: N/A

PO# 15026



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Lid Prop No. of pieces: 44

Manufacturer: Aero Design Ltd

Part No.: 36280-01 Serial / Batch No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-32

Remaining Tasks to be Performed: Assembly

Signature: Don Butts

Date: Feb 29th / 2016 Lic. No. / SCA AD-07

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Remarks

In Process

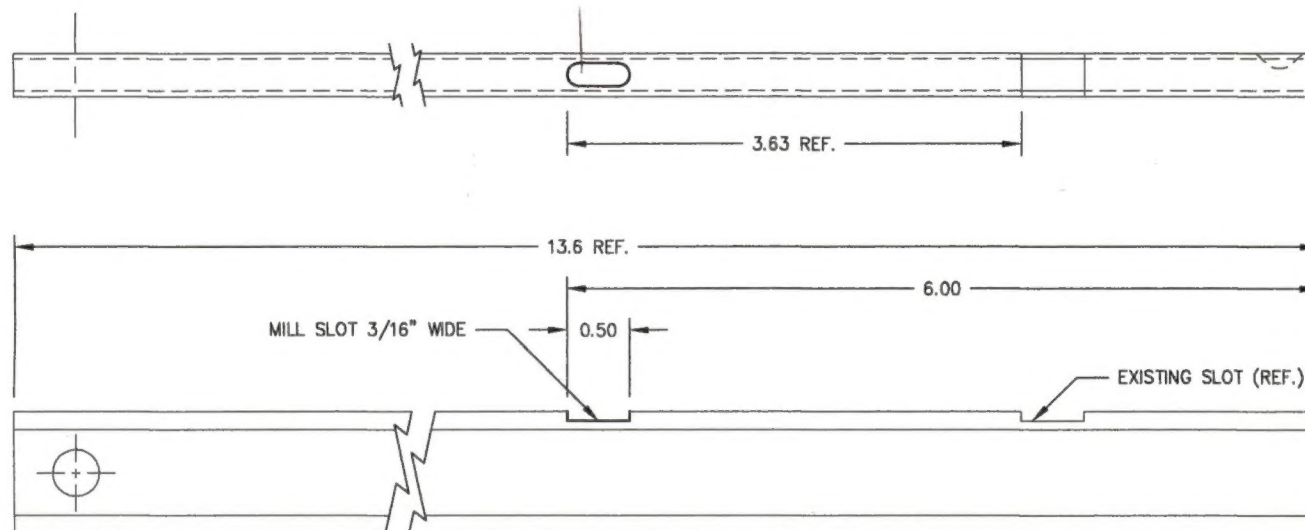
1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.		
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2016-32		
6. Item	7. Description Lid Prop Assembly	8. Part Number 36280-01	9. Qty. 6	10. Serial/Batch No. N/A	11. Status/Work New		
12. Remarks							
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.				
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 24 Mar 2016		14d. Name		14e. Date (dd/mm/yyyy)	
Installer Responsibilities							
<p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>							

ALP/WE

3/32 0.094

5.500
- 0.094
5.406

5.500
+ 0.094
5.594



02 MODIFIED SLIDER

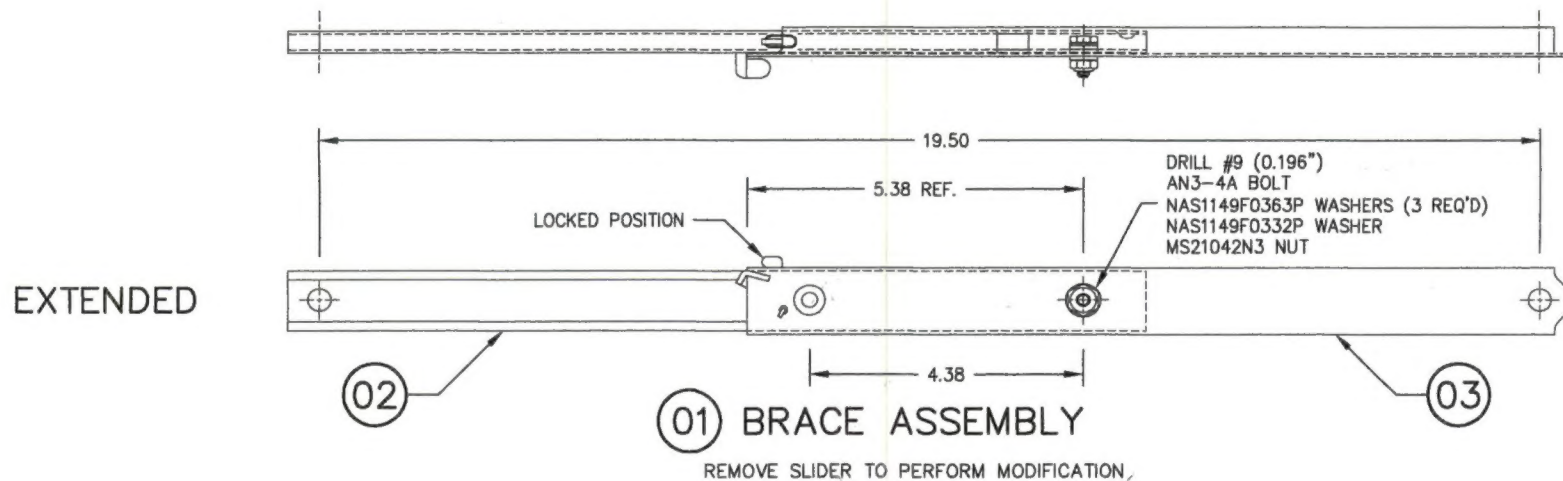
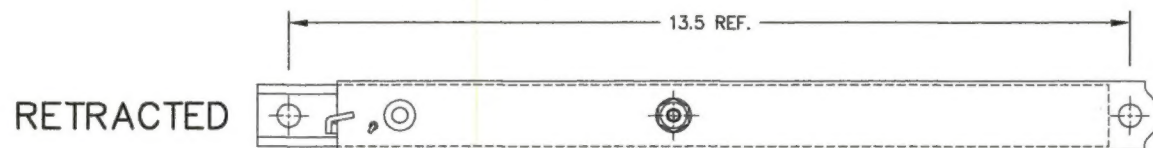
REMOVE FROM GUIDE TO PERFORM MODIFICATION

1	9-2081		LID BRACE	VICTORIA BRITISH
	36280-02	02	MODIFIED SLIDER	
01	PART NO.	ITEM	DESCRIPTION	MATERIAL
QTY.	LIST OF MATERIALS			

APPROVALS	DATE	 AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604.483.2376 www.aerodesign.ca		
DRAWN: STEVEN FAHEY	MAR 18/02			
CHECKED: E. BURGAIN	MAY 01/03			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1		HELICOPTER CARGO BASKET LID BRACE SLIDER MODIFICATION		
SCALE 1 : 2		DWG. SIZE	DWG. NO.	REV.
SHEET 2 OF 2		A3	36280	3

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
1	CHANGED POSITION OF STOP BOLT (WAS 4.38")	STF	JUL 01/02
2	CHANGED POSITION OF STOP BOLT (WAS 4.31")	BJC	APR 28/04
3	TITLE BLOCK UPDATED; COMPONENT PARTS IDENTIFIED	BJC	13/03/2014



1	MS21044N3		NUT	
1	NAS1149F0332P		WASHER	
3	NAS1149F0363P		WASHER	
1	AN3-4A		BOLT	
1	36280-03	03	MODIFIED GUIDE	STOCK: 9-2081 PROP
1	36280-02	02	MODIFIED SLIDER	VICTORIA BRITISH
	36280-01	01	BRACE ASSEMBLY	
01	PART NO.	ITEM	DESCRIPTION	MATERIAL
QTY	LIST OF MATERIALS			

APPROVALS	DATE
DRAWN: STEVEN FAHEY	MAR 18/02
CHECKED: E. BURGON	MAY 01/03

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS X.XXX ± 0.010
X.XX ± 0.03
X.X ± 0.1
ANGLES $\pm 1/2^\circ$



AERO DESIGN LTD.

9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 604.483.2376 www.aerodesign.ca

**HELICOPTER CARGO BASKET
LID BRACE ASSEMBLY**

SCALE 1 : 2	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 2	A3	36280	3

COMPONENT – LID PROP ASSEMBLY

General

These instructions apply to all cargo basket lid prop assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

All Models: 36280, Rev. 2

Work Order: 2016-32

Date Open: 26 FEB 2016

Complete
(initial or SCA #)
AD
73-04
01

1. Machining

- a. Stock part: 9-2081 brace. Disassemble by sliding apart into separate pieces.
- b. Drill $\frac{1}{4}$ " hole up to $\frac{3}{8}$ " in both parts of slider assembly on drill press. Deburr holes.
- c. Drill #9 hole in 36280-03 slider (outside) in accordance with drawing.
 - i. Locate with stops on manual milling machine.
- d. Mill $\frac{3}{16}$ " slot 36280-02 slider (inside) in accordance with drawing.
 - i. Locate with stops on manual milling machine

AD
73-04
01

2. Assembly

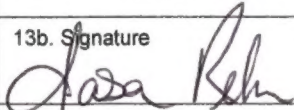
- a. Insert AN3-4A bolt with three (3) NAS1149F0363P washers into hole in 36280-03 slider. Locate head and washer on INSIDE of slider.
- b. Locate one (1) NAS1149F0332P washer on bolt. Thread MS21044N3 nut on bolt, torque to 12-15 in-lbs. Align bolt head with flats ACROSS slider.
- c. Slide 36280-02 slider (inside) into 36280-03 slider (outside). Ensure stop catch inside slider catches on bolt head.
 - i. If inside slider cannot move past bolt, replace one NAS1149F0363P washer with NAS1149F0332P washer under bolt head and reassemble.
 - ii. If inside slider does not catch on bolt, add one NAS1149F0363P washer under bolt head and reassemble.

AD
73-04
02

3. Final Inspection

To be completed by a different person than the previous steps.

- a. Tag complete and inspected parts in preparation for installation.

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2016-150	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2016-32	
6. Item	7. Description Lid Prop Assembly	8. Part Number 36280-01	9. Qty. 1	10. Serial/Batch No. N/A	11. Status/Work New	
12. Remarks Blackcomb Helicopters						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12			
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations .			
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jason Rekve – AD01		13e. Date (dd/mmm/yyyy) 23 Sep 2016		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						



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AMF 73-04

Nomenclature: PROP ASSEMBLY QTY 3

Manufacturer: VICTORIA BRITISH

Part No.: 9-2081 Serial / Batch No.: PO 16007

TTSN: N/A TSO: N/A Rem.: N/A

Removed From: N/A

Reason For Removal: DEFECTIVE CATCH

A/C Hours at Removal: N/A WO.# 2016-32

Signature: JH Cech

Date: 29 FEB 2016 Lic. No. / SCA A002

Unserviceable



Aero Design Ltd.

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AMF 73-04

Unserviceable

Remarks



WO# 2016-32

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013